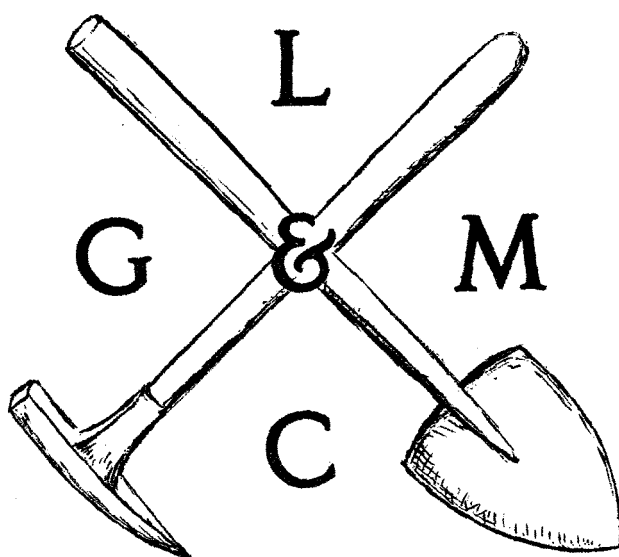


THE PICK & SHOVEL



JAN - 1975

OFFICIAL PUBLICATION OF

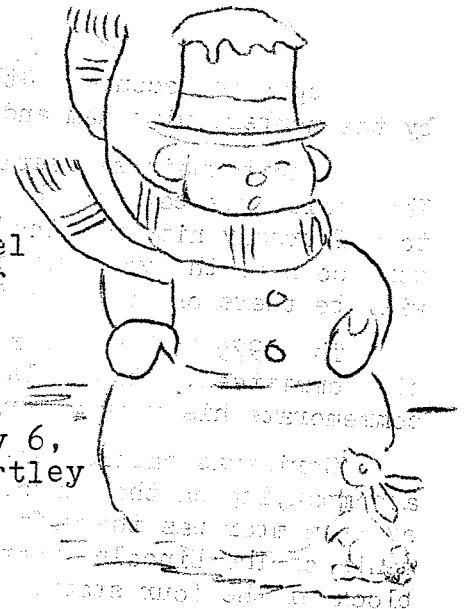
LINCOLN GEM & MINERAL CLUB

LINCOLN, NEBRASKA

CALENDAR

Winter always seems long because it comes in one year and out the other.

--Mark Beltaire

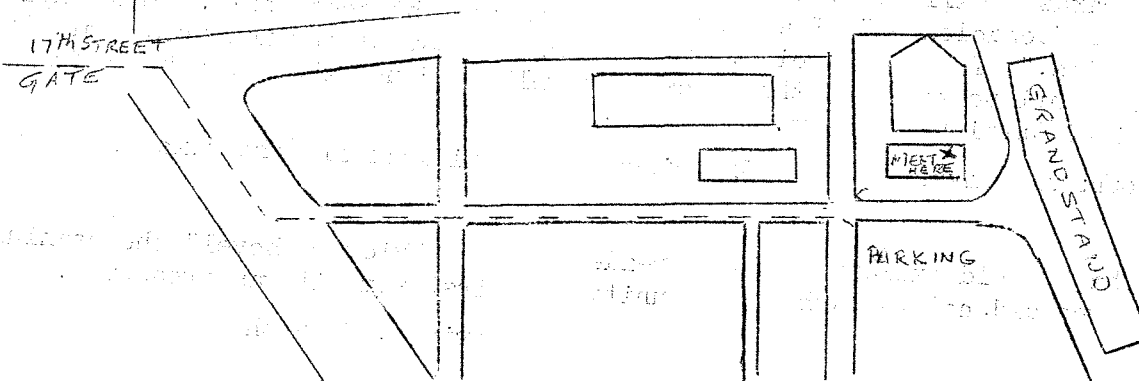


REGULAR MEETING-----Sat., Jan. 25, 1975; 7:30 p.m.
 State Fairgrounds, Lower level
 Administration Building--enter
 west door.
 PROGRAM-----Rock Identification
 REFRESHMENTS-----Will be served by the
 Refreshment Committee.
 BOARD OF DIRECTORS' MEETING. . . Thursday, February 6,
 Home of Larry Bigley, 6126 Hartley

1975 DATES TO REMEMBER

- Jan. 16-19 Denver, CO...Denver Gem and Mineral Guild Gem and Min. Show, Villa Italia, Shopping Center
- Mar. 14-16 Kansas City, KS...Greater Kansas City Gem and Mineral Clubs Show, National Guard Armory
- Mar. 15-16 Vermillion, SD...Coyote Rock and Lapidary Soc. Show, Student Union Bldg., Univ. of S.D.
- Mar. 21-23 Bridgeton, MO...St. Louis, Mo. Rock Hobby Club Show, Machinists Union Auditorium, 12365 St. Charles St.
- Apr. 12-13 Cedar Rapids, IA...Cedar Valley Rocks and Min. Soc. Show, Hawkeye Downs
- Apr. 18-20 Hastings, NE...Central Nebraska Rock and Mineral Show, City Auditorium
- May 10-11 Lincoln, NE...Lincoln Gem and Mineral Club Annual Show, New Agricultural Bldg., State Fairgrounds
- May 17-18 Hot Springs, SD...Picture City Gem and Mineral Show, City Auditorium
- June 13-15 Gering, NE...NAOESCI State Show, National Guard Armory
- June 19-20 Denver, CO...AFMS-RMFS Show and Convention, Currihan Hall
- Aug. 2-3 Gothenberg, NE...NAOESCI State Swap, Lafayette Park
- Oct. 9-12 Detroit, MI...International 75, MWF and Central Canadian Fed. of Min. Soc. Show and Convention, 4400 E. Eight Mile Road, Detroit Light-Guard Armory
- Oct. 18-19 Grand Island, NE...Grand Island Earth Science Show, Fonner Park

LINCOLN GEM & MINERAL CLUB BEGINS ITS 20th YEAR-WHERE X MARKS THE SPOT. BE THERE!

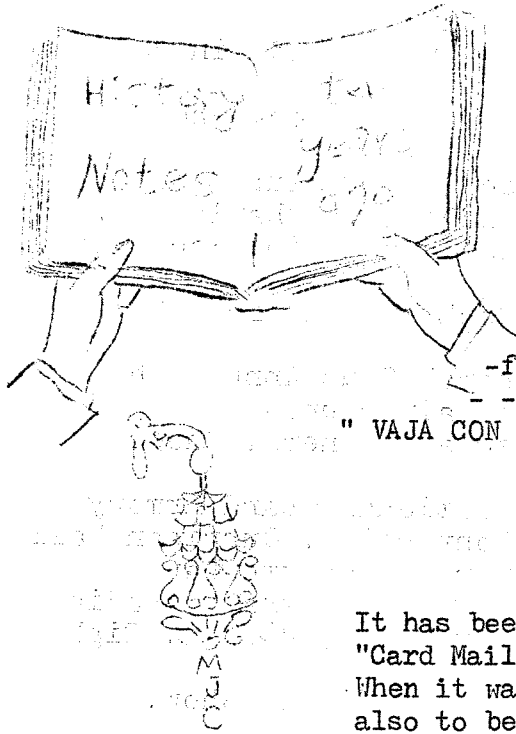


Last Month Approximately 80 persons attended the annual Christmas covered dish supper on December 14th. The tables were well laden with delicious food brought by the members with ham and turkey provided by the club. Decorations were lovely.

A short business meeting was held with members voting for our 1975 meeting site. The choice was between the State Fairgrounds on our regular 4th Saturday nite or go to a Thursday nite meeting at the I.O.O.F. Hall on North 56th St. When the ballots were counted the vote was overwhelming for the State Fairgrounds so our first meeting will be there on January 25th, 1975 at 7:30 P. M.

The 1975 Officers were presented with Frank Rule taking the gavel and presenting his committees. Frank also presented the outgoing president with a nice plaque to commemorate his year as President.

Christmas carols were sung under the leadership of Irl Everett with Helena Baegl accompanying on the piano. Gifts were exchanged, viewed and admired. A surprise for every member was the gift presented to each member by Howard Taylor with the compliments of The Lincoln Stamp Club - Mineral Heritage Stamp Ceremony Programs with a block of the four stamps bearing First Day of Issue cancellation. (pnp)



The January 1965 meeting was held at Morrill Hall with Everett Weber, President conducting the meeting.

Slides taken by Ray Sincebaugh, Velma Bloyd and Jim Parks of "Plesy" in his original home and all the procedures involved to get him to his present home were shown. It was narrated very effectively by Gene Eno.

Dr. Schultz turned on the lights to the 3rd floor and invited members to visit "Plesy." -from the notebooks of Frances Tracy, Historian

" VAJA CON DIOS" Cards were sent this month to -

Frank Oliver - Get Well
Lynn Wells - Get Well
Glen & Debby Ulrich -Arrival of Son

- Marie J. Carveth

It has been some time now, that I have served as Chairman of the "Card Mailing Committee." --

When it was requested of me to serve in this capacity, it was also to be my choice to give this column a title, or what-ever, that I wished. I chose the Spanish lamp as my symbol because it is so beautiful and so, in the same line of thought, I chose "Vaja Con Dios" as my by-line. It means "May God go with you", or "Be with you". --

The greeting cards I mail carry this same message - whether they be "Happy" Cards, "Get Well Cards", or "Condolences", I am sure that same thought does apply! This explains my "Vaja Con Dios." It is my choice. And at the request of our new President, Frank Rule, I shall continue to serve the "Pick & Shovel", and use the title "Vaja Con Dios", in the beautiful Spanish Language.

Perhaps I should sign myself "Maria Francisca"! My initials are the same M. under J. C.

the lamp! This should explain to those readers of the "Pick & Shovel" the meaning of all of this, who did not have the opportunity the first time it was presented.

Marie J. Carveth

PRESIDENT'S MESSAGE

We have just passed our most successful year and a very interesting one. As we start another year, and move into a much larger meeting hall, I see no reason why our attendance will not be much larger.

Our programs will be on rocks, how to identify them, where they can be found, and how to hunt for them. There will be programs on minerals, how to identify them, where they can be found or obtained. There will also be programs on how to cut and polish rocks. I also hope to have programs on faceting and on gem stones.

As we start to prepare for our 1975 Show, I hope that all members will be showing more cases and that we will be able to maintain the high standard of Shows that we are noted for.

I hope to see all members at our next meeting on January 25th at the Administration Building at the Fairgrounds. If you have rocks that you would like to have identified, please bring them to this meeting.

--Frank Rule, President

DIRECTORY CHANGES

Please make these changes in your 1974 Who's Who

Grant Quinn. . . .Telephone, 423-3232
 Virginia Green . . .Telephone, 423-5032
 Roger Kirby. . Telephone, 488-8854. . 5910 Meadow Brook Lane
 Daniel DePasquale. .501 Elder, North Platte, NE 69101

Please change Mayfield, E. L. to Maxfield, E. L.

HELP!

Pictures of various activities engaged in by the LGMC during 1974 are needed for the file being prepared for the All American Federation Award.

Pictures needed are:

The exhibit, prepared for the benefit of the blind, on display at the National Show.

Pictures of 1974 field trips.

Pictures of the 1974 Swap

All pictures will be returned.

Please send any pictures that you may have of these activities to Ralph Ulrich, 3909 Pace Blvd., Lincoln, NE 68502

LAST NOTICE TO PAY YOUR DUES. THEY ARE DELINQUENT JANUARY 31

EDITORIAL. . .

This morning, as I sat in a comfortable chair by an east window, and drank my morning coffee, I watched the rising sun with the dark outlines of the leafless trees silhouetted against the rosy sky. All was peaceful. From my open door came a breath of pure, fresh air, and I could hear the cawing of a distant crow. As I sat there, I thought of the earth spinning on its axis, suspended in atmosphere, a mere speck in this vast universe, and I wondered why we feel so self-important, and are so wrapped up in our own problems that we often fail to appreciate the beauties of nature. As the sun rose, the rat-race began. I was reminded of these lines from John Keats:

"The world is too much with us, late and soon,
Getting and spending we lay waste our powers:
Little we see in Nature that is ours;
We have given our hearts away, a sordid boon!"

There is a therapeutic value in the enjoyment of Nature. It seems to relieve us from some of the tensions associated with modern-day living. It also affords us a time to reassess our values. With a new year unfolding, let's take stock of ourselves. If we find we are harboring any envy, malice, or an uncharitable spirit toward anyone, let's purge ourselves of these feelings and begin anew. We will be happier, and this will be a better place to live.

Let's all pull together to make this the best year ever for the LGMC. Happy New Year to all!

--Evelyn

DESIDERATA

Go placidly amid the noise and haste, and remember what peace there may be in silence. As far as possible, without surrender, be on good terms with all persons. If you compare yourself with others, you may become bitter or vain, for there always will be greater or lesser persons than yourself.

Take kindly the counsel of the years, gracefully, surrendering the things of youth. Nurture strength of spirit to shield you in sudden misfortune. But do not distress yourself with dark imaginings. Many fears are born of fatigue and loneliness.

Beyond a wholesome discipline be gentle with yourself. You are a child of the universe, no less than the trees and the stars; you have a right to be here, and whether or not it is clear to you, no doubt the universe is unfolding as it should.

Therefore, be at peace with God, whatever you conceive Him to be. And whatever your labors and aspirations, in the noisy confusion of life, keep peace in your soul. With all its sham, drudgery, and broken dreams, it is still a beautiful world!

--Max Ehrmann

(Permission Crescendo Publishers - Boston, Mass.)

--Contributed by Marie J. Carveth

We may seem to be preaching to you this month, but remember this is the beginning of a new year and it is a good time to reflect on the things of the past, and make corrections if necessary. -- Ed.

Everett Lapidary Shop

THE CAPITOL CITY'S FIRST ROCK SHOP

2941 North 65th

PHONE 466-6204



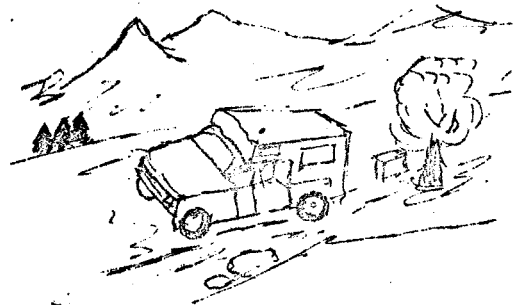
Start the first of the year with something new from our shop.

"SATISFIED CUSTOMERS ARE OUR BEST ADVERTISEMENT"

TELEPHONE
466.1697

TOM & LEFTY'S
ROCK SHOP

6333 KEARNEY STREET
LINCOLN, NEBR. 68507



Lefty is going on vacation -

January 26 to sometime in March.

Tom will keep shop hours as follows during that time -

Evenings 6 to 10, Saturdays and Sundays

JEWELRY AND CUSTOM CUTTING



DON'T FORGET PAY YOUR DUES

YOU GET THEM IN THE MAIL ...

THE MAILMAN AND JOHN WILL DO THE REST.



Adult membership fee - \$3.00 (age 16 and over)

Junior membership fee - \$1.00 (age 12-16)

Family membership fee - \$7.00 (husband, wife and children -
under 16 and permanent residents of household)

Mail your dues to John Harrison, LGMC Treasurer, Hickman, NE 68372

Recommendations from the Long Range Planning Committee

TO: The Board of Directors and to the general assembly of the Lincoln Gem and Mineral Club, Inc.

We have reviewed and studied several possible projects for the effective use of our capital assets.

At this time we recommend that the four items listed herein be started very soon.

1. Provide financial help to juniors, 16 years old and under, who want to take the lapidary course offered by the Lincoln Recreation Department but are unable to pay the fee.
2. Host a lapidary display showing, or Gem Arts Show, at either Miller & Paine Auditorium or at Gateway Mall. We would provide a host or hostess during the show who would be on hand to answer questions and keep an account of purchases. The Club would collect 10% of all sales. The entries would be judged and prizes awarded.
This function would be for the benefit of the general public and is not related to, or a substitute for, the regular annual Gem and Mineral Show.
3. We recommend that the Mineral Heritage Stamp Album be loaned to the State Historical Society or to the stamp display at the University of Nebraska so the general public can view it. The Lincoln Gem and Mineral Club will retain ownership and control of the album.
4. We recommend that \$3,500 be invested in a four-year Certificate of Deposit at maximum interest. The income from this certificate would be donated to a scholarship for an undergraduate student. The following specifications would apply:
 1. The recipient would be an undergraduate student of Geology at the University of Nebraska.
 2. The Geology Department would select the recipient or recipients.

We hope these programs will be started at the earliest possible date.

Respectfully submitted,

Roger K. Pabian, Chairman
Long Range Planning Committee

BITS AND PIECES

These GEMS contributed by our "VAJA COM DIOS" lady - Marie J. Carveth -

The block of granite which is an obstacle in the pathway of the weak becomes a stepping stone in the pathway of the strong. -Thomas Carlyle

.....

YOU ALONE:

Whoever you are, there is some younger person who thinks you are perfect---
There is some work that will never be done if you don't do it---
There is someone who would miss you if you were gone---
There is a good reason for being better than you are, and doing better than you are---
There is a place in this world that you alone can fill. - Anon.

.....

Idaho derives its name from the Indian expression meaning "The sun is coming down from the mountain tops."

-Submitted by Marie J. Carveth

From Petrograph of March 1974 we copy these goodies -

"The more is given, the less the people will work for themselves, and the less they work, the more their poverty will increase." -Tolstoi

"The only book that can really tell you where to spend your vacation is your checkbook." -Columbian Missions

"The biggest drawback to budding love is the blooming expense." -Mueller Record

"Never explain - your true friends don't need it, and your enemies won't believe you anyway." -Anon

From an 1800's publication via GEMS -

LANGUAGE OF JEWELS

- | | |
|---|--------------------------------|
| Agate - - Health and long life | Garnet - - Constancy |
| Amethyst - - Sincerity | Opal - - Hope |
| Bloodstone - - Courage | Pearl - - Purity |
| Chrysolite - - Antidote against madness | Sardonyx - - Conjugal felicity |
| Carnelian - - Contented Mind | Topaz - - Fidelity |
| Diamond - - Innocence | Turquoise - - Prosperity |
| Emerald - - Success in love | |

Copied this from GEM TIME of Nov. 1973 who credited their neighbors South Gate C & L Boulder Buster -

Nobody grows old by merely living a number of years; people only grow old by deserting their ideals. Nor is youth simply a matter of ripe cheeks and supple knees. Youth is a temper of will; a quality of the imagination, a vigor of the emotions, and a freshness of the deep springs of life. Years may wrinkle the skin, but to give up enthusiasm wrinkles the soul.

Whether seventeen or seventy, if there is in one's heart the love of wonder, the child-like appetite of what's next, and the courage to play the game as the rules are written, that person is young.

"Men do not quit playing because they grow old; they grow old because they quit playing." - Alfred Lord Tennyson

WELDA'S NEWS



Glenna and George McGinnis didn't leave for Arizona as early as planned. George was able to attend the first board meeting of 1975. Their trailer didn't arrive as scheduled, the reason for the delay.

Tom Simmons and Marge Heedick's mother has been hospitalized. She fell and broke her arm. We hope you are on the road to recovery at this time Lona.

Norma and Perry Miller visited with son and daughter-in-law and their grandchild in Minnesota over the Christmas Holidays.

Mr and Mrs Merrick Royce from Los Angeles, California were Christmas guest at the home of Marie and Virg Garveth. She is Principle on Los Angeles school board.

Proud parents of an 8 pound baby boy, Kevin James, are Glen and Debbie Ulrich. Born December 23, 1974. Grandma Evelyn Ulrich, editor of Pick and Shovel is also very proud.

A short article about the Nebraska Recreation League, Inc. (NRL), which the board members voted to join will be included in this issue of the Pick and Shovel. We hope when called on that members of the LGMC will turn out in full force.

President, Frank Rule plans to leave for 'sunny' Arizona right after the January 25th meeting. He says 'I'm leaving on the 26th early.'

The new home of Lincoln Gem and Mineral Club general meetings will be at the State Fairgrounds. This is below the administration building, the 'open air' auditorium is on the west side of our entrance. Signs are going to be posted, so we hope every one finds us. Remember the date January 25, 1974 at the Fairgrounds.

Please send your club member news to Welda Oliver while Glenna is traveling. (ed)

NEBRASKA RECREATION LEAGUE (NRL) - Our 'Thanks' to Dr. H. O. Paulson for sending this information to acquaint you with our new affiliation. (Taken from Constitution-By-Laws)

THE PURPOSES OF THE CORPORATION ARE:

1. Research, compilation, publication, co-ordination of information relating to the ownership, maintenance, and legislation of recreational vehicles, and public recreational area users.
2. Initiate, sponsor, support plans, programs for the improvement of existing public recreation facilities, the planning and development of new facilities, and all kindred aspects thereof.
3. Provide a central unified voice on all matters relating to recreational vehicles owners, clubs, units, chapters, and any and all types of organized outdoor recreation groups.
4. To provide for its members a medium to engage in legislation at all levels of government inuring to the benefit of recreation vehicle owners and users of public recreation areas within the State of Nebraska.

FROM THE BY LAWS - ARTICLE III, PURPOSE -

Sec. 1. This organization is formed for the purpose of assembling and maintaining a central information and advisory house for all member organizations, clubs and associations interested in promoting the general welfare of the persons who participate in non-professional, non-profit recreational vehicle activities and all users of public recreation areas; to collect and distribute to its members information concerning activities of a governmental nature and all matters of a governmental nature concerning the ownership or operation of recreational vehicles; to give special attention to public improvements and all that relates to the betterment of the membership and their convenience and comfort and the doing of any and all things necessary or incidental thereto.

HANDY HINTS

CLEANING FOSSILS.

Cleaning of fossil specimens is generally dependent upon three things: patience, practice, and caution. Don't start with your best specimen. Experiment on a poor one from the same locality first, as even experienced collectors ruin a specimen now and then.

TOOLS: Dental tools with single pick or chisel ends are fine. Heavy duty sewing machine needles or 78 rpm straight phono needles in any pin vise are also good. A variety of tooth brushes, soft to stiff and cotton Q-tips are useful extras.

PRACTICE: Start with an extra piece of matrix. Test for hardness both of matrix and fossil replacement material. Sometimes a scraping rather than picking technique works with final shale coating removed with stiff brush.

In all cases know the general character of what your specimen should look like (book pictures and other's collections are very helpful.)

WATER AND ACID: Tests of the matrix will tell you if you can use water on the specimen. Generally soft shales cannot be dipped or washed; they disintegrate. When water is unsafe, alcohol or cleaning fluid such as Renuzit or carbon tet will take away the "dusty" look after cleaning with tools.

As for acid, NEVER INDISCRIMINATELY DUMP OR SOAK ANY FOSSIL IN ACID, not even the completely pyritized ones. If a specimen has a large lump of matrix, such as in a brachiopod fold, use Snobowl or other diluted solution with some HcL in it, on a Q-tip but apply it just to the matrix spot, never onto the fossil surface. While still wet by the acid, the matrix lump is softened and a dental tool will then do a fast job of loosening the lump. Acid is occasionally used by professionals but these are cases where the fossil is silicate replacement and not affected by the acid.

Method Use of Hand Tools: When using a pick or needle point to expose more of the fossil than shows, start a short distance from the exposed area beyond where you think the fossil edge is. Poke in and give sharp flicks upward.

FINAL PREPARATION FOR DISPLAY: To get rid of that "dusty" look choose one of the following methods:

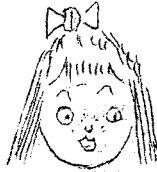
1. Vegetable shortening on soft cloth rubbed over fossil surface.
2. Cleaning fluid, such as odorless Renuzit, on cloth and dabbed over fossil, using Q-tips to get into crevice.
3. Non-shiny plastic spray, such as Grumbacher's Myston is best for pyritized fossils which may later dull and/or disintegrate. Use also on both sides of fossil with soft matrix. For very light imprint fossils which are almost the same color as the matrix spray some non-shiny Myston into a small disposable container and with a small brush paint just over the fossil imprint not the matrix. This makes the fossil stand out a bit more clearly.

--Spring River Gem & Min. Club, via The Limestone Rattler

WATER SOLUBLE MINERALS

Can usually be cleaned with alcohol.

via The Limestone Rattler



JUNIOR PAGE



Hi, Juniors:

I'm still looking for that write-up, joke, or puzzle. Some of you are taking a lapidary course with Mr. McGinnis. Why don't you tell us what you are doing? It would be very interesting, and might encourage others to begin cutting and polishing. I've heard that some very fine work is being done. With the knowledge of gems and minerals that you are acquiring, you should be a great help with your earth science class at school.

Let's get off to a good start this year and have some articles written by YOU for our Junior page.

Happy New Year! - Mrs. Ulrich

TRY ROCK HUNTING

This diagram was devised by junior member James Hoffmeister. Find the rocks listed to the right by going up, down, forward, backward, or diagonal.

C O P P E R F T Z X Y Q
O O E T I L O Y H R Q T
A E N O L L Z C M J A P
L F G G P A Y E A L E R
Y X L R L P G D C W T E
Z S Z U A O E F Y R I T
A C I M O P M F B O C I
P Z B L N R H E U C L R
O Z U A I F I I R K A Y
T T F R U C L T T A C P
A R X E I X A I E E T F
N A C W L T I X N S C E
E U A O G D E T H T O P
L Q E E R T S A E N P Y
A B O X E A L P Y O E R
G D T N X E L X A G K T
E D R E S I O U Q R U T
G A C W U P E R I D O T
G E T A G A M U S P Y G
E F R E P S A J A P Q N

Jasper
Coral
Agate
Geode
Copper
Shale
Topaz
Turquoise
Pyrite
Onyx
Opal
Coal
Talc
Mica
Azurite
Galena
Rhyolite
Peridot
Conglomerate
Ruby
Jade
Flint
Garnet
Quartz
Calcite
Gypsum
Fluorite
Gem
Rock
Feldspar
Bauxite
Silica

Thanks, Jim, for this excellent puzzle!
--From Topeka Gem & Min. Soc. Bulletin

MOQUI MARBLES...Moqui marbles are an interesting phenomenon found a about 15 miles east of Escalante, Utah. They are spherical-shaped and are found on the floor of a wash area--actually, they are iron sandstone concretions. They were named "marbles" because they are reputed to have been used by the Moqui Indians, who inhabited the area, in a game like marbles. These rocks are also called Moqui bombs because of their porous sandstone interiors. When treated, the trapped air inside expands and causes a bomb-like explosion. Supposedly, the Moquis went into neighboring Indian camps after dark, and dropped these "bombs" into the dying embers of their campfires. In the ensuing confusion, they made off with many worthy items from their neighbor's encampment!

--Sacramento Matrix via Rhodonite

SAFETY PAGE

The Not-So-Lowly Ice Cube

Suppose someone told you of an exciting new drug which kills pain almost instantly, helps control bleeding, is completely safe, helps prevent infection, and costs practically nothing? The new wonder drug? An ice cube!

There are many everyday conditions for which ice can be used as a pain killer. Many old-time remedies used ice or cold water as a basic part of their treatment. Doctors at Walter Reed Army Hospital have prescribed this simple treatment for an aching back; freeze water in orange juice cans and rub the cans on the back of the patient.

Splinters: Have you ever attempted to remove a small sliver from the tip of your finger? It's simple with the ice cube approach. Sterilize the point of a needle in a match flame. Then place the tip of your finger on an ice cube until it becomes numb. Now the sliver can be lifted out without pain, and a good antiseptic and bandage applied.

Burns: If you are burned, you probably have been told to rub butter on the burn. Don't! It is now agreed by most medical authorities that the burned area can be soaked immediately in a container of cold water in which ice has been placed. Or, if you prefer, the ice cube can be gently rubbed over the burn until the pain is no longer felt. While the relief from pain is prompt, more important is the fact that there will be very little swelling and blisters won't form. Consequently, the burn will heal much more rapidly.

Ice cube treatment also helps to prevent infection, as any part of the body that is refrigerated is not likely to become infected. The ice cold temperature keeps the germs dormant and unable to multiply.

Bleeding: Ice seems to have still another virtue. It aids in controlling bleeding, not only surface bleeding, but that which occurs under the skin, as when an eye is bruised or a shin scuffed. The discoloration is caused by leakage of blood from torn blood vessels. An ice cube placed over the bruised area constricts the blood vessels, reducing leakage until clotting takes place.

Itching: Itching is yet another of the many skin conditions that can be relieved with ice. When the skin itches, it is natural for a person to rub or scratch, but the relief can be very brief. Application of the ice often retards the itching.

If the area to be treated is large, crack ice cubes into small pieces, put them into a large towel, fold over to form a pack, which can then be adjusted to the shape of the affected part. Leave the pack in place until the ice melts. The ice can be replaced as often as necessary. The ice-towel pack is particularly good for such places as the shoulder, in case of bursitis or sprain.

--via The Michigan Gem News

The only man who ever got all of his work done by Friday was Robinson Crusoe.-- T-Town Rockhound, from the Rockhound Gazette

Looking at "federation"
Mary Anderson, President, AFMS



We have heard over the past few months from some individuals as to whether or not it is important and necessary to have or belong to a Federation. So, I have done research on whatever material has been available on the subject. I have asked opinions of many persons who I thought had enough experience to express a professional view and also read many articles pro and con on organization and overall federation.

I think that we should know the definition of the word "federation" so we can understand the problem over which there is an occasional question asked. When a group of separate societies forma compact to become a league for the purpose of unity, strength, education and prestige, the group is then entitled to be known as a federation with the understanding, of course, that each society retains possession of its own individual or internal affairs. However, it seems that over a period of time, perhaps through indifference or lack of communication, we have lost sight of some of our goals and are unable to communicate through the various committees that represent us. Consequently, some members become more prone to criticize, to refuse to cooperate or to consider the whole federation as more important than a few biased opinions. From prehistoric times man had found that becoming a part of a group increased his life span, his problem of hunger and shelter and his growing need for social contact. By uniting with other bands similar to himself, he solved his problem of survival. This is indeed going back a long way for an illustration to show where organization or federation first came into being because these, too, are included into the process of evolution, which was not only a process of physical development but development of all things which would evolve for the common good.

I have during this past month asked opinions on this subject of federation from many people. People whose views I have always valued highly because they have worked with many groups and base their observations on years of experience. The answers I received to my question were many and varied. Many were lengthy and some very concise and to the point. Some were very clear and some were cloudy through a maze of argumentation. The majority were in favor of organization. The others could give no workable substitute and came more from past members than from active members who were giving of their service, time and talents to their organizations which included social, professional, and civic.

The answer that impressed me most and which I am passing on to you did not come from the most learned of my friends, or the wealthiest, or the student or the president of a club. It came from a soft spoken man in my local organization who has served in many offices and many committees and who is called upon many times during the year to pour the proverbial oil upon troubled waters. His answer was that a federation is composed of several groups of people who wish to form a league with a united interest to work for the HARMONY of all. He used only one word that the others interviewed did not use..the word HARMONY. I was satisfied that was the keynote and that is the word I want to keep before you this year, giving our federation the importance and prestige which it so richly deserves. Paste this word on your typewriter, on your specimen case, on your prospector's pick, on your camper. Write it big enough so that it catches your eye every day, and we've got whatever problems come up before us this coming year licked before they have a chance to become problems.

Our officers, our committee members and chairmen pledge to you their loyalty, help and support. They expect the same from each of you, so that when our term of office is over we can say with conviction that we have done our job with the help of our fabulous members, to the best of our ability.

GOLD - - - by June Zeitner

24 Karat gold	24 parts on scale of 24
12 Karat gold	12 parts, or one half
10 Karat gold	10 parts, 14 other mineral(s)

Above is a sample of how the purity of gold is described. The other 12 parts of 12 K gold for example are another metal such as silver. The combination is an alloy.

To produce pink gold, copper is added. To produce green gold, the addition is silver. The addition of nickel yields white gold. Other metals are sometimes used. Some of these are platinum, zinc, and manganese.

One pennyweight is 24 grains. (Abbreviation for pennyweight is dwt.) One ounce is 20 pennyweight. Twelve ounces equal one pound. These ounces are Troy ounces.

Gold plating is a thin coating of gold applied to base metal by electrolysis. Gold filled means that Karat gold is joined to both sides of the base metal. The minimum Karat count is 10 and the gold must be at least 1/20th of the finished metal sandwich. Rolled gold is similar, but thinner.

Gold can be hammered into foil 3/1,000,000 of an inch. One ounce can be drawn into a wire 35 miles long. Gold melts according to quality; that is, amount of gold and type of alloy. The range is from about 1600 degrees Fahrenheit for 10K to 1950 degrees F. for pure gold.

Karat gold may be blackened by Potassium sulfide. Gold is the state mineral of Alaska and California. America's first gold rush was near Charlotte, North Carolina. It is believed gold was discovered as early as 18,000 B.C.

Gold is a native element with the symbol Au, belonging to the isometric system, 2½ to 3 in hardness and 19.3 in density when pure. The luster is metallic, the color and streak golden yellow. Transvaal, Union of South Africa, is the world's leading producer.

The current world market price is near \$200 an ounce, an all time high. The largest gold nugget ever found was the 200 pound Welcome Stranger from Australia. Alder Gulch, Madison County, Montana is credited with yielding the most placer gold. The Homestake Mine in South Dakota is the leading producer of gold in the United States at the present time.

Gold occurs as dust, grains, flakes, wire, sponge, crystals, nuggets, dendrites, and in veins and disseminated through other minerals such as quartz.

Look-alikes the amateur must learn to identify are yellow mica scales, pyrite, and chalcopyrite.

Gold is used for ornaments, monetary purposes, medical and dental techniques, and for space program, equipment, among other things.

Gold is found in rocks, in streams, and in the ocean. Gold is where you find it!

--via AFMS

Memory is something that tells you that you know the man, but doesn't tell you his name. -- via The Michigan Gem News, and others.

Midwest Federation's NEWSLETTER

Published monthly except July and August as a service to members clubs.
All news, articles, subscription orders and requests for information concerning publication
should be sent to P. O. Box 1130, Des Moines, Iowa 50311



Issue No. 150 - December 1974

UNIFORM RULES

by B. F. Parr

One of the pleasures of our hobby is sharing what we have and what we know. Displaying our collections and craftsmanship has been one of the ways we do this. Competitive exhibiting at Gem and Mineral Shows is a natural result of these displays. As we have attempted to improve our shows, we have seen competitive exhibiting grow into a major contribution to them.

The above is the first paragraph of the Preface to the Uniform Rules of the American Federation of Mineralogical Societies. If you exhibit competitively, you are not only sharing with others but you are also receiving. You receive an unbiased evaluation of your material, workmanship, and showmanship by competent judges. You also can gain by noting other competitive exhibits, reading the judges' comments, and perhaps talking to the exhibitors.

The exhibitors to be admired are not the ones whose sole objective is a blue ribbon or trophy but are those who want to learn and improve. Competition provides that extra incentive to achieve this.

Those of us who have been exhibitors and are now involved with the Uniform Rules committee feel strongly that a major factor in the excellence of present day shows is the healthy growth of competition.

The Uniform Rules are not an arbitrary, hastily compiled, set of restrictions. They are the result of years of experience and untold hours of work by representatives of all Federations. There is much correspondence and exchange of ideas throughout the year culminating in a meeting of all Regional Chairmen with the AFMS Committee at the National Show. This year at Lincoln, the meeting lasted from early in the morning until after midnight, giving serious consideration to all proposals.

The AFMS and Regional Federation Committees welcome suggestions that may lead to improvements and better implementation of the use of the rules. Submit suggestions and proposals to the Regional Federation Rules Committee with which you as an exhibitor are associated. The Midwest Federation Chairman is Mrs. Betty Crawford, 1119 Seminole Avenue, Mansfield, Ohio 44906. To be considered at the 1975 meeting, proposals must be received by March 1, 1975.



General Mills discontinues coupon program

The General Mills Co. (Betty Crocker) is feeling the pinch of inflation and reduced profits, so they have discontinued the Betty Crocker Club Plan. It is hoped that ultimately the Plan will be resumed on a reduced scale.

Clubs with coupons on hand should send them to the MWF Regional Chairman, Mrs. W.H. Steinbrenner, 2813 Patricia Drive, Des Moines, Ia. 50322 postmarked not later than Dec. 31, 1974 to receive credit for them.

The program as used in the Scholarship Foundation has been a rallying point for Foundation Gift Drives and has produced about 11% of the Foundations Fund. Now that the Foundation will be on a "cash only" basis, there are a number of methods by which clubs can continue to raise funds for the Foundation in a relatively painless manner. Auctions, interest from club savings accounts, rebates from magazine subscriptions, memorial gifts, etc. The memorial gift is a fine way to express memory of friends and help provide scholarships in earth science.

NEW SLIDE PROGRAM AVAILABLE

The Earth Science Club of Northern Illinois has presented the Midwest with a new slide program on micromounting. It is available for immediate booking and when ordering ask for "ESCONI Micromounting". Send your request for this program to Midwest Federation Film Library, Donald Sinnett, 29462 Aspen Dr., Flat Rock, Mich. 48136.

* * * * *

New slide programs are in constant need and any club that can supply one should contact Donald Sinnett. A program on fluorescents is needed.

Supply orders

Clinton Heckert, Director of Supplies for the MWF, has been shipping all supplies with exception of stationary... letterheads and envelopes. Effective immediately he will also be shipping the letterheads and envelopes. Send all your orders for supplies to Clinton Heckert, 725 Stewart Street, Elgin, Ill. 60120.

Losing an editor?

by June Zeitner

When I read that Ellis Courter, Editor of the Michigan Mineralogical Society bulletin "The Conglomerate" was going to resign, it reminded me that each year as high as 15% of our clubs have to look for a new editor. In most cases this poses more of a crisis to the club than if the president should resign. Not that the president isn't important, but there is usually a qualified vice president ready to take over, and there is usually not an eager new editor waiting in the wings.

New editors are selected three ways: by election, by appointment, or by a volunteer, which is to say that anyone who says he will take it is immediately elected or appointed.

Why is a new editor so hard to find? For one thing, most editors have served several years, and club members get to identifying the bulletin with them and taking the bulletin for granted. The editor has to be an unusually dedicated club member, has to have a real interest in and knowledge of all club activities, and has to be ready to devote far more time to his job than most club officers do. He has to have a sense of priority, and top priority has to be honoring deadlines. The editor has to be observing, tactful and persuasive. He has to be original enough to write some thing to fill spaces when promised stories don't appear. He has to have strength, closet space and a sense of humor. He should know how to type, though two fingers will do, and he should know enough about spelling to know how to use Webster's. He needs a good alarm clock, an understanding helpmate, and it helps if he has a broken television and likes his meals cold.

If your club needs a new editor, try to make the job more attractive for him or her. Be active bulletin helpers. See that the equipment is good, that the budget is adequate. Put the editor on your board and include him in all plans. And, last but not least, treat that retiring editor so well that the future editor will think, "Well, maybe in the end, it will all be worth it."

Herbert F. Grand-Girard

Herbert F. Grand-Girard passed away at his home in Santa Fe, New Mexico on October 5th from a heart attack. He is a past president of the Chicago Rocks and Minerals Society, and of the Midwest Federation of Mineralogical Societies. For the first six years of its publication, he was editor of the bulletin of the Chicago Rocks and Minerals Society, "The Pick and Dop Stick", designing the cover which is still used. His interest in fine minerals continued, although a back injury prohibited much traveling and collecting the last two years. He designed and executed some unusual lapidary projects. He is survived by his wife, Oriol, who shares his mineral and lapidary interests.



IF YOU MOVE....

Please send us your new address so we can keep your Newsletter coming to the correct address

FALL EXECUTIVE MEETING

The Midwest Federation held its annual fall Executive Committee meeting on Saturday, November 2, at the Mr. Smorgasbord Restaurant, Hammond, Ind.

A number of subjects were discussed and a full report of the meeting will be mailed to all member clubs by the Secretary.

CELEBRATE 25TH ANNIVERSARY

The Earth Science Club of Northern Illinois, celebrated it's 25th Anniversary on November 8. Club was organized in 1949 with 13 people and now has a membership of 450. They have five study groups and two junior groups.

NEW PALEONTOLOGY CHAIRMAN

Terry Huizing, MWF President, has announced the appointment of Don Good, 410 N.W. 3rd St., Aledo, Ill. 61231 as chairman of the Paleontology Committee.

SAFETY TIP

If you are burned, you probably have been told to rub butter on the burn. Don't. It is now agreed by most medical authorities that the burned area can be soaked immediately in a container of cold water in which ice has been placed, or if you have an ice cube, rub it over the area.

JUNIOR ACTIVITES

Michigan Geology and Gemcraft Society will host an Educational Seminar April 5 and 6, 1975, and a meeting on Junior Activities is scheduled. Contact Larry Bailey, 61340 Fairland Drive, South Lyon, Michigan 48178 for more information.

A special word of appreciation for Fred Bollinger of Chaffee, Missouri, member of several clubs, who provides material and teaches youngsters to make arrowheads at club shows and other events. As they make their very own arrowhead, they develop a greater appreciation for the Indians! During the summer he taught the art to over 400 Boy Scouts at a Jamboree.

PITCH IN.... PUT LITTER IN IT'S PLACE

Midwest Federation's NEWSLETTER

Published monthly except July and August as a service to members clubs.
All news, articles, subscription orders and requests for information concerning publication
should be sent to P. O. Box 1130, Des Moines, Iowa 50311



Issue No. 151 - January 1975

State stones

I would like to hear from clubs in each state about the current status of their state stone progress. Over three fifths of our states have state stones, gems, minerals, fossils, or have bills or plans underway to designate one or more of these categories.

I started this national project in 1962 and progress has been remarkable for 12 years, but now with the Bicentennial at hand, it seems like we should have renewed effort to see that all of our states are represented by official mineral kingdom symbols.

I will be glad to write to any groups who need help about how some of the other states have accomplished their goal.

If your state is already represented, what I would like to know is how that mineral or gem symbol is being used in your state, what has been done to promote it, who has the record specimen, if anyone has tried to capitalize on it, and any other useful facts.

Address your letters to June Zeitner, Mission, S. D. 57555

MINERAL HERITAGE STAMP SLIDE PROGRAM

The AFMS has presented a copy of a new slide program to each of the Regional Federations for their slide libraries.

This program was prepared by Norman Steele, AFMS Slide Exchange Committee Chairman and is based on the issuance of the Mineral Heritage Stamp at Lincoln, Nebraska in June, 1974

Watch your Regional Federation Bulletins for information as to when this interesting program will be available to order for your club for their viewing.

Supply orders

Clinton Heckert, Director of Supplies for the MWF, has been shipping all supplies with exception of stationary... letterheads and envelopes. Effective immediately he will also be shipping the letterheads and envelopes. Send all your orders for supplies to Clinton Heckert, 725 Stewart Street, Elgin, Ill. 60120.

New appointments

Michigan State Director
Mrs. Arlene Buehler
1044 Washburn
Saginaw, Michigan 48602

South Dakota State Director
Miss Maybelle Wilcox
441 Lamero Street
Winner, South Dakota 57580

Administrative Assistant to the Treasurer
Fred (Fritz) W. Fass
1654 East Newton
Milwaukee, Wisconsin 53211

WELCOME NEW INDIVIDUAL MEMBERS

Mr. Lawrence Pugsley
203 Miles Road
Chagrin Falls, Ohio 44022

Mr. Albin A. Nowicki
807 Heidelberg Road
Toledo, Ohio 43615

OUTSTANDING JUNIOR CLUB

An outstanding club of the Midwest Federation is the Roehm Junior High Geology Club of Berea, Ohio, a Junior Club of 180 members with no adult club sponsoring it. Under the dedicated leadership of teacher Peg Johnson, the club learns lapidary, paleontology, geology, takes field trips, puts on its own show, helps with other shows, and even helps other young students in other schools learn about the world of rocks and minerals. The editors would like to hear about other similar Junior groups.

WILLIAM C. BODE

We regret that we must announce the passing of William (Bill) C. Bode on September 26 in New Berlin, Wisconsin. Bill was a long time, active member of the Wisconsin Geological Society and was publisher of The Trilobite and liaison officer of the society at the time of his death. He was assistant in the paleontology division of the Midwest Federation and supply chairman of the American Federation.

Try more publicity

This may not be a problem with big clubs in heavily populated areas, but it definitely is a problem in small clubs and in rural areas. Attendance! Or rather lack of it! Many meetings are held with so few in attendance that the business meeting is skipped or might as well be, or the program chairman is embarrassed to introduce a speaker from away to put on a program for a mere fraction of the membership.

Clubs in sparsely settled areas may draw members from 60 miles away or more. That makes over 100 miles round trip. Adverse weather makes driving hazardous in winter months. All of the small rural towns have a wide assortment of activities often scheduled on "rock club" night. These are only some of the reasons for small attendance, but often as not the reason is "I forgot" or "I didn't think the meeting would be important enough or the program good enough."

There is one way to fight this. And that is with plenty of good publicity. This seems to be the age when the media is called on to serve all kinds of American enterprises and that includes rock clubs. Each club should have reminders of each meeting in the press and over radio and T.V. for each and every meeting. The attendance will pick up in direct proportion to your publicity coverage.

Each club needs a forceful publicity director to see that this is done. Virtually all small city newspapers and rural weeklies will give space to a well-written story announcing the program and meeting. T.V. channels have public event calendars for listing noteworthy meetings. Radio stations devote much to local news. And the nearest big city dailies are eager to get more subscribers from rural areas, so will gladly accept well-written stories.

The publicity committee needs to meet the persons in charge of these various free media public services. Very few will ever turn down a club like one of ours if properly approached.

Many publicity chairmen wait until the week before the meeting to send in their announcements. Say the small town paper comes out on Friday and the club meeting is Thursday. The deadline for news is Monday. In such a case, the story would have to be in the mail on Saturday two weeks before the meeting in order to be printed in time to remind members. It is really better for an important meeting or program to have two stories in a row, in which case the chairman would really have to start to work three weeks early.

In some places, even in cities, there are phoning committees, or the secretaries send out cards, or the bulletin carries the story of the future meeting and comes a few days before the meeting. Those are all important, but do not take the place of good publicity if a build up of attendance is desired. The bulletins or cards go to only present paid up members. Perhaps the newspaper stories will draw out old members, new potential members, or visitors from other clubs.

The publicity chairman does not have to have had journalism. (But it helps.) The publicity chairman's main qualification should be that she (or he) is a lively, vivacious, persuasive

pitch in.... PUT LITTER IN IT'S PLACE!

NEEDS YOUR BULLETINS

I need your bulletin as much as ever. Since the beginning of the AFMS Club Publications Committee, I have been on the mailing list for many fine bulletins, and through them I have met many wonderful individuals and outstanding clubs. Even when my room was wall to wall bulletins, before the contest or display, I loved and appreciated them all.

Now, in order to help the AFMS Newsletter be a reflection of all that is best in our clubs, those bulletins are still important to me. So, I trust that you will all help me in my new job. A thousand thanks to all!

Address your bulletins to June Zeitner, AFMS Newsletter Editorial Committee, Mission, S. D. 57555.

person, who has a true interest in the club. Such a person can make the right contact, learn how to write releases, and become deadline oriented.

How does the publicity chairman write stories which will be accepted? First, keep the story objective and to the point. Tell who, what, where, when, and sometimes why. The famous 5 "W"s of journalism. Mention the names of people. People make news. Qualify the speaker. Why is he an authority? A newspaper story gives all of the important facts in the first or lead paragraph. The story should be typed and double spaced with plenty of room left at the top for headlines. Pictures should be black and white glossy, and sharp and detailed.

The first paragraph alone is probably all the radio and T.V. stations want. This is more acceptable if typed on heavy, non static paper.

Stories should be sent directly to the person in charge of the page or program. A story addressed just to the "Daily News" might wind up on the advertising desk, subscription department, or "Letters to the Editor".

Write about things which sound unusual, exciting, unique, important. Do not write about the wit and wisdom of the president, the fashionable clothes of his wife, the financial details of the club, or who is on the lunch committee. Do not thank people for get well wishes, report on who missed the last meeting, or what plans are being made for the next Christmas party. Keep the story here and now!

Don't write that the program will be about Cretaceous Coelenterates. Write that it will feature the coral reef which once lived where your town now stands. Keep your stories slanted so the general public will read and understand them.

The same things go about show publicity as for publicity of meetings. Only the show stores have to start earlier and run oftener. Proper publicity is important in all that we do. Has your club really given it a good try? -June Zeitner

LINCOLN GEM AND MINERAL CLUB, INC.
P. O. Box 5342, Lincoln, NE 68505

The purpose of this corporation shall be to study, promote an interest in, and disseminate knowledge of lapidary and various Earth Sciences including but not necessarily limited to geology, paleontology and mineralogy. It shall be a particular purpose of the corporation to provide education in these fields to its members and the general public, particularly youth and student groups.

- MEMBER: Midwest Federation of Mineralogical and Geological Societies (MWF)
 American Federation of Mineralogical Societies (AFMS)
 Nebraska Association of Earth Science Clubs, Inc. (NAOESCI)
 Community Arts Council of Lincoln (CAC)
 Nebraska Recreation League (NRL)

Regular Meetings: 4th Saturday of the month, September through May, 7:30 P.M.
1975 - Nebraska State Fairgrounds, Adm. Bldg., Lower Level, west door

1975 ELECTED OFFICERS:

President.....	Frank Rule	6333 Kearney	Lincoln, 68507	466-1697
1st Vice Pres...	Larry Bigley	6126 Hartley	Lincoln, 68507	466-0211
2nd Vice Pres...	Don Carter	1101 Driftwood Dr.	Lincoln, 68510	489-3442
Rec. Secretary..	Nelda Oliver	5700 Otee St.	Lincoln, 68506	489-5222
Treasurer.....	John Harrison	Hickman, Nebr.	68372	792-3825
Board Member....	Inl Everett	2941 No. 65th St.	Lincoln, 68507	466-6204
Board Member....	George McGinnis	3444 Somerset Ave.	Lincoln, 68504	466-4878
Board Member....	Howard Taylor	910 New Hampshire	Lincoln, 68508	432-3707
Board Member....	Glen Ulrich	4609 Pancroft	Lincoln, 68506	489-2538

STANDING COMMITTEE CHAIRMEN:

Liaison	Ruthy Coleman
Hospitality	Rosalie Wright
Refreshments	Marie J. Carveth and Marcella Hilton
Membership	Marita Bigley
Historian	Frances Tracy
Librarian	Joella Olson
Education and Program	Frank Rule
Housing & Property	Contact Frank Rule
Calling Committee	
Community Arts Council	
NAOESCI reporter	Luella Paul
Scholarship	Julius and Myrtle Young
Publications	Art Howlett
1975 Show Chairman	Glen Litzenburg

PICK & SHOVEL STAFF:

- Editor Evelyn Ulrich, 3521 So. 48th St., Lincoln, NE 68506
 Phone 488-9051
- Typist Rosalie Wright
- Publisher Phyllis Parks
- Reporters-Club Members

Contributions from members are welcome and needed. Deadline for material is the 5th of the month to be printed. Please send copy to the Editor.

Advertising by a rock-hobby business or interest is permitted with approval of the Board, at a rate presently set at:			
Full page (approx. 10 inches copy)	\$10.50	per insertion	
Half page (" " ")	5.25	" "	
Third page (" " ")	3.50	" "	
Minimum size ad - 5 lines	at \$2.75 per insertion		

Articles published in THE PICK & SHOVEL may be reprinted if credit is given the author and the bulletin, and a copy of the publication is sent to the Editor.

Lincoln Gem & Mineral Club
Box 5342
Lincoln, NE 68505

NON-PROFIT ORG.
U.S. POSTAGE
PAID
LINCOLN, NE
PERMIT NO. 176



MEMBER: Community Arts Council
Exchange Editor: Evelyn Ulrich
3521 S. 48th St.
Lincoln, NE 68506

Frances Tracy, Historian
3601 So. St.
Lincoln, Ne. 68506

LINCOLN GEM & MINERAL CLUB - 17th ANNUAL SNOW - May 10-11, 1975
AGRICULTURAL HALL, Nebraska State Fair Grounds
LINCOLN, NEBRASKA
Show Chairman, Glen Litzenburg, P. O. Box 5342, Lincoln, NE 68505

